

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747
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PLEASE NOTE:
YOU MUST
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FOLLOWING

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:
Fill in Appropriate
Information:
For Use Without
Specification
Attached:

DRAINABLE FERTILIZER VALVE DESIGN

for specification of which is attached hereto. If not attached hereto,
the specification was filed on October 16, 2000 as
United States Application Number _____
and amended on _____ (if applicable) and/or
the specification was filed on _____ as PCT
International Application Number _____; and was
amended under PCT Article 10 on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 35, Code of Federal Regulations, §1.56. I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representative or assigns, except as follows:

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

(Application Number)	(Filing Date)
_____	_____
_____	_____

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of this Application.

Country	Application Number	Date of Filing (Month/Day/Year)
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT applications in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
_____	_____	_____
_____	_____	_____

Insert Prior U.S.
Application(s):
(if any)

I hereby appoint the following attorneys to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

Raymond C. Stewart
Joseph A. Koltsch
Bernard I. Sweeney
Charles Gornstein
Leonard R. Svensson
Andrew D. Melick
Joe McKinney Muncy
John W. Bailey
Gary D. Yaours

(Reg. No. 21,066)
(Reg. No. 22,463)
(Reg. No. 24,448)
(Reg. No. 29,271)
(Reg. No. 30,330)
(Reg. No. 32,868)
(Reg. No. 32,334)
(Reg. No. 32,881)
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Terrell C. Hiron
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(Reg. No. 19,382)
(Reg. No. 28,380)
(Reg. No. 29,680)
(Reg. No. 28,977)
(Reg. No. 32,644)
(Reg. No. 32,181)
(Reg. No. 34,313)
(Reg. No. 35,094)

Send Correspondence to:

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P.O. Box 747 • Falls Church, Virginia 22040-0747
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

OR Customer No. 2292

PLEASE NOTE:
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File Name of First
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

GIVEN NAME/FAMILY NAME Douglas A. NEWBERG		INVENTOR'S SIGNATURE <i>Douglas A. Newberg</i>	DATE* 10/16/00
Residence (City, State & Country) Gambria, Maryland, USA		CITIZENSHIP United States	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country) P.O. Box 1001, Gambria, Maryland, USA			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			

*DATE OF SIGNATURE

PATENT

RECORDATION FORM COVER SHEET
PATENTS ONLY

10/16/00
09/688478
jce13 U.S. PTO

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Security Agreement



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Merger



Other

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Secret File

Conveying Party(ies)



Mark if additional names of conveying parties attached

Name (line 1)

Stuart A. Collins, Jr.

Execution Date
Month Day Year

10/10/2000

Name (line 2)

Second Party

Name (line 1)

Betty Lise Anderson

Execution Date
Month Day Year

10/10/2000

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

The Ohio State University

Name (line 2)



If document to be recorded
is an assignment and the
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Address (line 3)

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43210-1063

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Domestic Representative Name and Address

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Correspondent Name and Address

Area Code and Telephone Number 614-792-5555

Name ROGER A. GILCREST

Address (line 1) Standley & Gilcrest LLP

Address (line 2) 495 Metro Place South

Address (line 3) Suite 210

Address (line 4) Dublin, Ohio 43017

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

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2

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
10/10/2000

Patent Cooperation Treaty (PCT)

Enter PCT application number

only if a U.S. Application Number PCT

has not been assigned.

PCT

PCT

PCT

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Number of Properties

Enter the total number of properties involved.

#

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

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(Enter for payment by deposit account or if additional fees can be charged to the account.)

Enclosed ☒

Deposit Account ☐

Deposit Account Number:

19-4076

Authorization to charge additional fees:

Yes



No



Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document Charges to deposit account are authorized, as indicated herein.

ROGER A. GILCREST

Name of Person Signing

Signature

October 16, 2000

Date

ASSIGNMENT

This assignment is made by Stuart A. Collins, Jr., residing at 6661 Guyer Street, City of Worthington, State of Ohio 43085; and Betty Lise Anderson, residing at 200 Glenhurst Court, City of Gahanna, Ohio 43230, ("ASSIGNORS") to The Ohio State University, a non-profit organization organized under the laws of the State of Ohio and having an office at 1960 Kenny Road, City of Columbus, State of Ohio 43210-1063 ("ASSIGNEE").

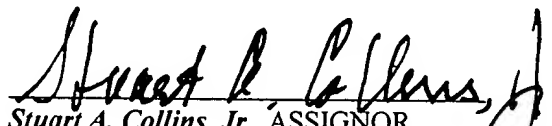
FOR ONE U.S. DOLLAR (\$1.00) AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, ASSIGNORS do hereby sell, assign and transfer to ASSIGNEE the entire right, title, and interest, together with all rights of priority, in and to our invention entitled DEVICE AND METHOD FOR PRODUCING OPTICALLY-CONTROLLED INCREMENTAL TIME DELAYS, as described and/or claimed in an application for patent of the United States of America, Serial No. _____. (If said number is not herein written, ASSIGNORS authorize said number to be supplied hereafter.) A Declaration for the application has been executed on Oct. 10, 2000. ASSIGNORS further do hereby sell, assign, and transfer to ASSIGNEE the entire right, title, and interest, together with all rights of priority, in and to ASSIGNORS' invention as described and/or claimed in any and all applications for patents based on the invention, including divisionals, continuations, renewals, substitutes, and reissues thereof, and all rights of priority resulting from any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications for the full terms of all of the patents which may be granted on the invention.

ASSIGNORS HEREBY AUTHORIZE ASSIGNEE to make applications for, to prosecute such applications, and to receive patents for the invention in the United States and any foreign countries, in ASSIGNEE's name.

ASSIGNORS HEREBY PROMISE AND AGREE that ASSIGNOR will execute or procure any further necessary assurance of title to the invention and any patents which may issue on the invention. ASSIGNORS will, at any time, upon the request and without further consideration, but at the expense of ASSIGNEE, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the invention, or any patents which may be granted therefor, in ASSIGNEE, its successors, assigns, or other legal representatives. ASSIGNORS will, at any time, upon the request and at the expense of ASSIGNEE, execute any continuations, divisionals, reissues, or any other additional applications for patents for the invention or any part or parts thereof and any patents

issuing thereon are hereby assigned to ASSIGNEE. ASSIGNORS will make all rightful oaths, and do all lawful acts required for procuring and enforcing any of the patents, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

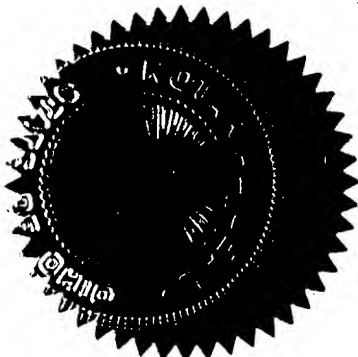
ASSIGNORS HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for the invention, resulting from any of the aforesaid applications to the ASSIGNEE.

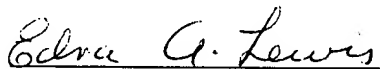

Stuart A. Collins, Jr., ASSIGNOR


STATE OF OHIO :
COUNTY OF FRANKLIN : SS:

Before me personally appeared **Stuart A. Collins**, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 10 of Oct., 2000.




Notary Public
my commission expires 5-30-2004

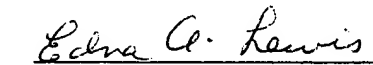

Betty Lise Anderson, ASSIGNOR

STATE OF OHIO :
COUNTY OF FRANKLIN : SS:

Before me personally appeared **Betty Lise Anderson**, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 10 of Oct., 2000.




Notary Public
my commission expires 5-30-2004